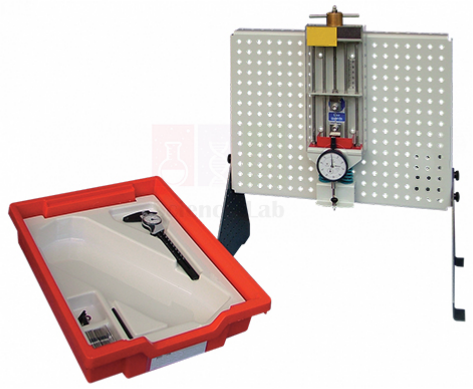
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Tensile Tester Kit

Product Code :

SLE/ETP/21



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Description :

Tensile Tester Kit (Product Code: SLE/ETP/21) is a cased, hands-on kit used to introduce students to tensile testing by stretching specimens of different materials to destruction while measuring extension and force, in engineering science and technical education classes. It gives learners first contact with yield properties, tensile strength, elongation and overall stress and strain. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and vocational training lab equipment manufacturer in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Kit contents	A cased tensile tester with specimens of different materials
Test method	Specimens stretched to destruction while extension and force are measured
Terms introduced	Yield properties; tensile strength; elongation; overall stress and strain
Product code	SLE/ETP/21
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Tensile Tester Kit Used For?

Before students meet a full-size testing machine, they need a feel for what happens when a material is pulled apart. The Tensile Tester Kit gives them that experience at desk level: each group loads a specimen, stretches it until it breaks, and records force and extension along the way. Comparing specimens of different materials shows at once why some stretch a long way and others snap suddenly.

From their readings, students plot force against extension, convert the results to stress and strain using the specimen dimensions, and identify yield, tensile strength and elongation. These are the same terms they will use later in materials science and design courses. Measure each specimen before testing, pull steadily rather than in jerks, and wear eye protection when a specimen is close to breaking.

What to Specify When Ordering

- The number of kits, usually one per student group.
- Replacement specimens, since every specimen is stretched to destruction; ask us what is available.
- Whether you want storage trays or other engineering science kits in the same order.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the OEM (original equipment manufacturer) of the Tensile Tester Kit and makes it at its own licensed factory at Saha, Ambala, Haryana, India. Schools with technical streams, polytechnics, colleges, dealers and i ns and r Scien